

Name: _____ Date: _____ Section: _____

Title: Product of Respiration Lab Activity

Statement of the Problem: What is a product of Respiration?

Hypothesis:

Materials: Two test tubes, 5 mL of sugar, 0.5 mL of yeast, straw, stopper

Procedure:

1. Put on your safety glasses. Fill two test tubes half full of warm water. Add 5 mL of sugar to one of the test tubes. Put the tubes in a test-tube rack.
2. Add 0.5 mL of dried yeast (a single-celled organism) to each tube. Stir contents of each tube with a straw. Place a stopper snugly in the top of each tube.
3. Observe any changes that occur in the two test tubes over the next 10 to 15 minutes.

Results:

Analyze and Conclude:

1. What changes occurred in each test tube?
2. Explain what caused the events you observed.
3. How does this experiment relate to the respiration equation?